

WHAT IS CLAIMED IS:

1 1. A computer program product tangibly embodied in an information carrier, the
2 computer-program product including instructions that, when executed, generate
3 on a display device a graphical user interface (GUI) for editing a data structure to
4 be used by a computer-executed process that categorizes data, the GUI
5 comprising:

6 a categorization area that displays user-input fields which may be used to
7 define a plurality of categories and a plurality of links that form a categorization
8 scheme, each category corresponding to certain content associated with that
9 category, each category being defined to be at one of a series of levels between a
10 top level and a bottom level, wherein each category at a level below the top level is
11 linked by one of the plurality of defined links as a child category to a corresponding
12 parent category, the parent category being one of the categories defined in the level
13 immediately above the child category, wherein each child category corresponds to
14 certain content that is a sub-set of the content that corresponds to the corresponding
15 parent category, and the categorization scheme is organized to enable the
16 computer-executed process to categorize the data, the categorization causing
17 categories that correspond to the data to be selected, the selection being made by
18 making a category determination beginning at the top level and proceeding to the
19 children of categories that correspond to the data.

1 2. The computer program product of claim 1, further comprising a linking area
2 that displays user-input fields which may be used to define associations between
3 categories defined in the categorization area and stored information, such that the

4 computer-executed process, when executed, uses the stored information that is
5 linked to the selected categories to perform subsequent processing of the data.

1 3. The computer program product of claim 2, wherein the linking area further
2 displays a plurality of user-selectable links, each link corresponding to a viewset that
3 displays user-input fields which may be used to define associations between
4 categories defined in the categorization area and stored information.

1 4. The computer program product of claim 3, wherein one of the user-selectable
2 links corresponds to a viewset that displays user-input fields which may be used to
3 define associations between categories defined in the categorization area and
4 documents.

1 5. The computer program product of claim 3, wherein one of the user-selectable
2 links corresponds to a viewset that displays user-input fields which may be used to
3 define associations between categories defined in the categorization area and
4 experts.

1 6. The computer program product of claim 3, wherein one of the user-selectable
2 links corresponds to a viewset that displays user-input fields which may be used to
3 define associations between categories defined in the categorization area and
4 response templates.

1 7. The computer program product of claim 3, wherein one of the user-selectable
2 links corresponds to a viewset that displays a query input area for entering criteria
3 that defines the content that corresponds to each category.

1 8. The computer program product of claim 3, wherein one of the user-selectable
2 links corresponds to a viewset that displays a preview area for viewing selected
3 stored information.

1 9. The computer program product of claim 3, wherein the GUI displays in the
2 categorization area user-selectable buttons that, when selected, enable information
3 in the user-input fields to be edited using cut and paste functionality.

1 10. The computer program product of claim 2, wherein the stored information is
2 stored in a plurality of memory locations in an enterprise computing system.

1 11. The computer program product of claim 2, wherein the linking area further
2 displays an application area which may be used to define associations between
3 categorization schemes that have been defined in the categorization area and pre-
4 defined business processes that categorize the data.

1 12. The computer program product of claim 11, wherein the linking area is used to
2 associate a plurality of business processes with a categorization scheme.

1 13. The computer program product of claim 12, wherein at least two of the
2 plurality of associated business processes can be executed using stored information

3 determined to be linked to categories selected during a single categorization of the
4 data.

1 14. The computer program product of claim 1, wherein the categorization area
2 further displays selectable buttons which may be used to change the level at which a
3 category is defined.

1 15. The computer program product of claim 1, wherein the categorization area
2 further displays selectable buttons associated with each parent category, wherein
3 each parent category may be selectively displayed in an expanded form in which all
4 child categories are graphically displayed, and selectively displayed in a collapsed
5 form such that no child categories are graphically displayed.

1 16. The computer program product of claim 1, wherein the data comprises
2 content of a received message.

1 17. The computer program product of claim 1, wherein the data comprises
2 business objects.

1 18. The computer program product of claim 17, wherein the business objects
2 include stored documents.

1 19. The computer program product of claim 17, wherein the business objects
2 include stored response templates.

20. A system for responding to a received message, the system comprising:

an information repository that includes a plurality of categories and a plurality of links that form a categorization scheme, each category corresponding to certain content associated with that category, each category being defined to be at one of a series of levels between a top level and a bottom level, wherein each category at a level below the top level is linked by one of the plurality of defined links as a child category to a corresponding parent category, the parent category being one of the categories defined in the level immediately above the child category, wherein each child category corresponds to certain content that is a sub-set of the content that corresponds to the corresponding parent category, and the categorization scheme is organized to enable a categorization of the content of the received message, the categorization causing categories that correspond to the content of the received message to be selected, the selection being made by making a category determination beginning at the top level and proceeding to the children of categories that correspond to the content of the received message; and

a software program tangibly embodied in an information carrier, the software program including instructions that, when executed, categorize the content of the received message into at least one of the categories in the categorization scheme, wherein subsequent processing resulting from the received message is dependent on the categorization.

21. A method of defining a data structure to be used by a computer-executed process that categorizes content of a received message into at least one of a plurality of defined categories, the method comprising:

24 inputting categorization scheme information into user-input fields displayed in
25 a categorization area of a graphical user interface (GUI), the categorization scheme
26 information including a plurality of categories and a plurality of links, each category
27 corresponding to certain content associated with that category, each category being
28 defined to be at one of a series of levels between a top level and a bottom level,
29 wherein each category at a level below the top level is linked by one of the plurality
30 of defined links as a child category to a corresponding parent category, the parent
31 category being one of the categories defined in the level immediately above the child
32 category, wherein each child category corresponds to certain content that is a sub-
33 set of the content that corresponds to the corresponding parent category, and the
34 categorization scheme is organized to enable the computer-executed process to
35 categorize the content of the received message, the categorization causing
36 categories that correspond to the content of the received message to be selected,
37 the selection being made by making a category determination beginning at the top
38 level and proceeding to the children of categories that correspond to the content of
39 the received message.

1 22. The method of claim 21, further comprising defining links using a linking area
2 displayed in the GUI, the links defining associations between categories defined in
3 the categorization area and stored information, such that the computer-executed
4 process, when executed, uses the stored information that is linked to the selected
5 categories to perform subsequent processing of the received message.

1 23. A computer program product tangibly embodied in an information carrier, the
2 computer-program product including instructions that, when executed, generate on a
3 display device a graphical user interface (GUI) for editing a data structure to be used
4 by a computer-executed process that categorizes content of a received message,
5 the GUI comprising:

6 a categorization area that displays user-input fields which may be used to
7 define a plurality of categories and a plurality of links that form a categorization
8 scheme, each category corresponding to certain content associated with that
9 category, each category being defined to be at one of a series of levels between a
10 top level and a bottom level, wherein each category at a level below the top level is
11 linked by one of the plurality of defined links as a child category to a corresponding
12 parent category, the parent category being one of the categories defined in the level
13 immediately above the child category, wherein each child category corresponds to
14 certain content that is a sub-set of the content that corresponds to the corresponding
15 parent category, and the categorization scheme is organized to enable the
16 computer-executed process to categorize the content of the received message, the
17 categorization causing categories that correspond to the content of the received
18 message to be selected, the selection being made by making a category
19 determination beginning at the top level and proceeding to the children of categories
20 that correspond to the content of the received message; and

21 a linking area that displays user-input fields which may be used to define
22 associations between categories defined in the categorization area and stored
23 information, such that the computer-executed process, when executed, uses the

- 24 stored information that is linked to the selected categories to perform subsequent
- 25 processing of the received message.